

Figure 1A - 1C

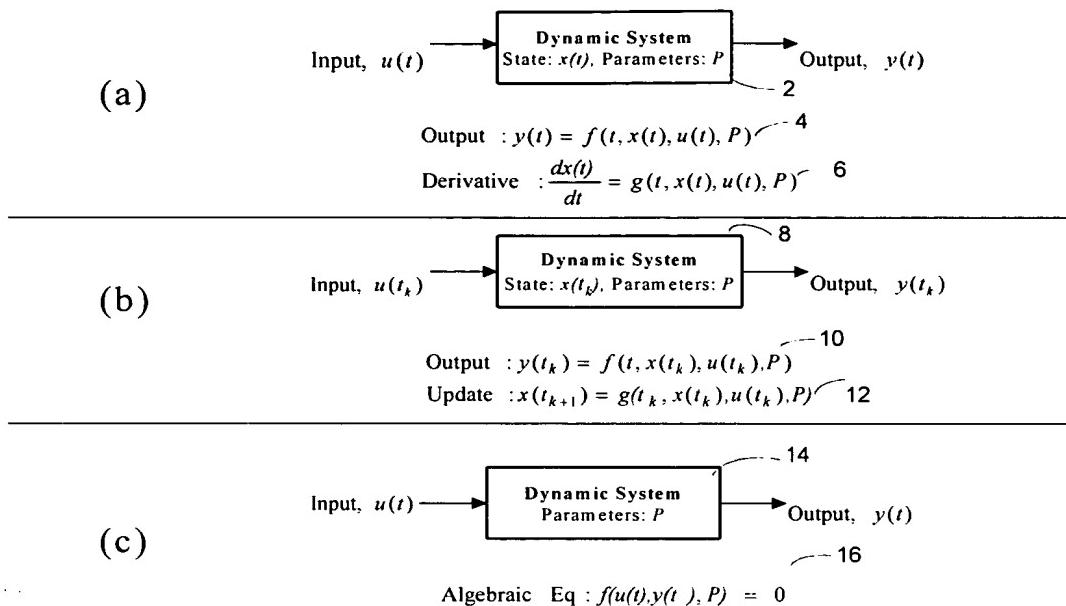


Figure 2

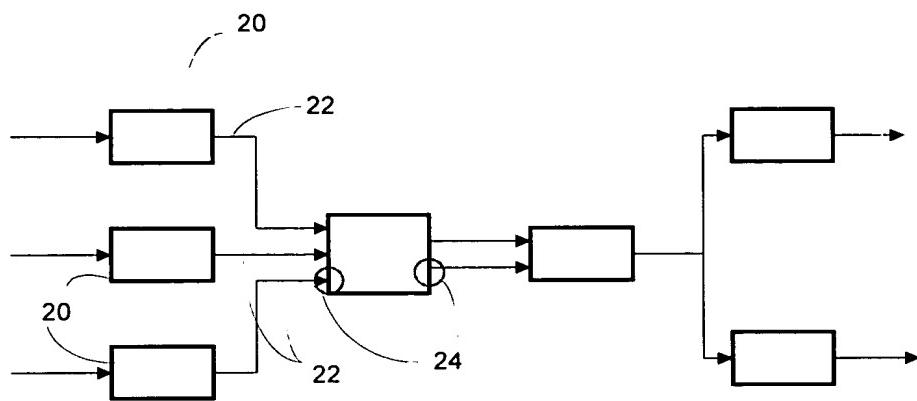


Figure 3

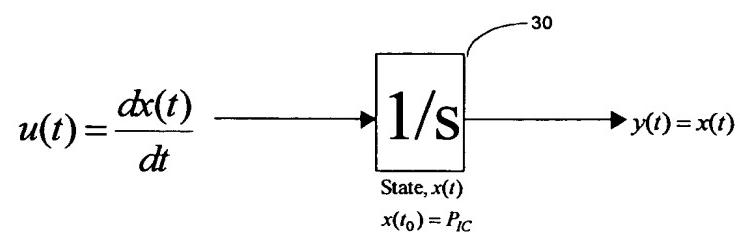


Figure 4

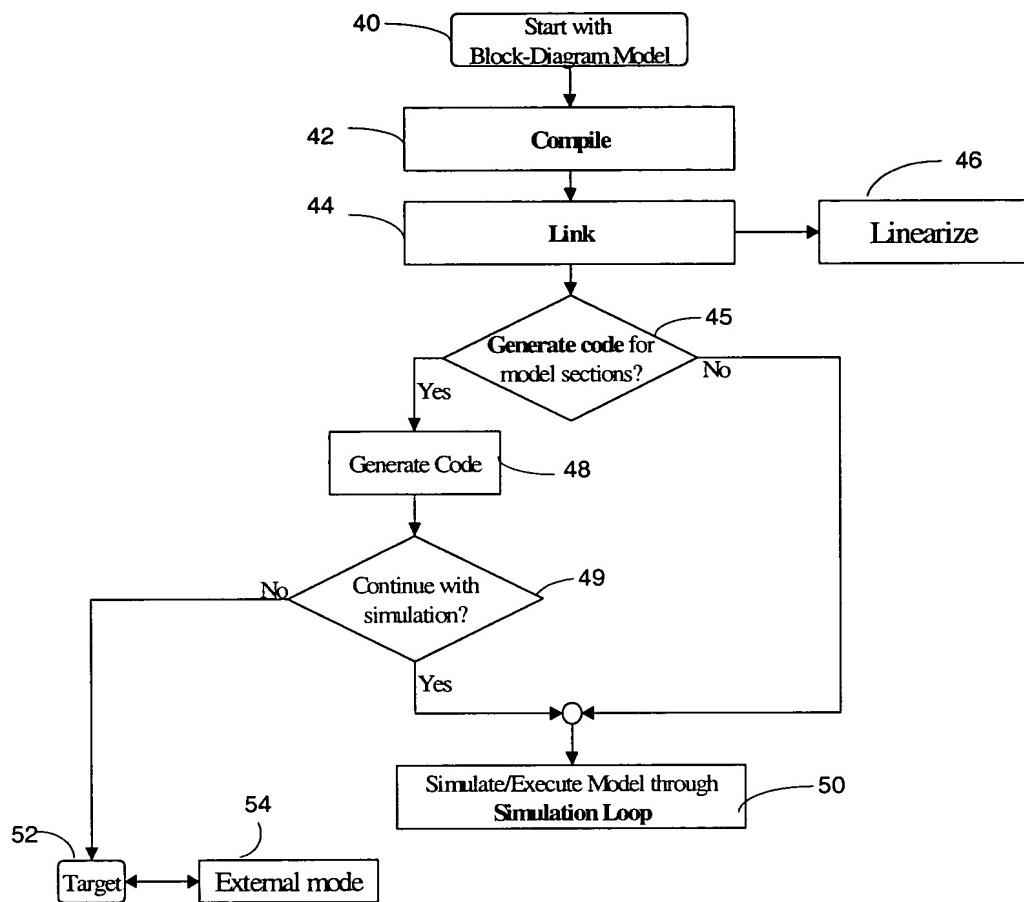
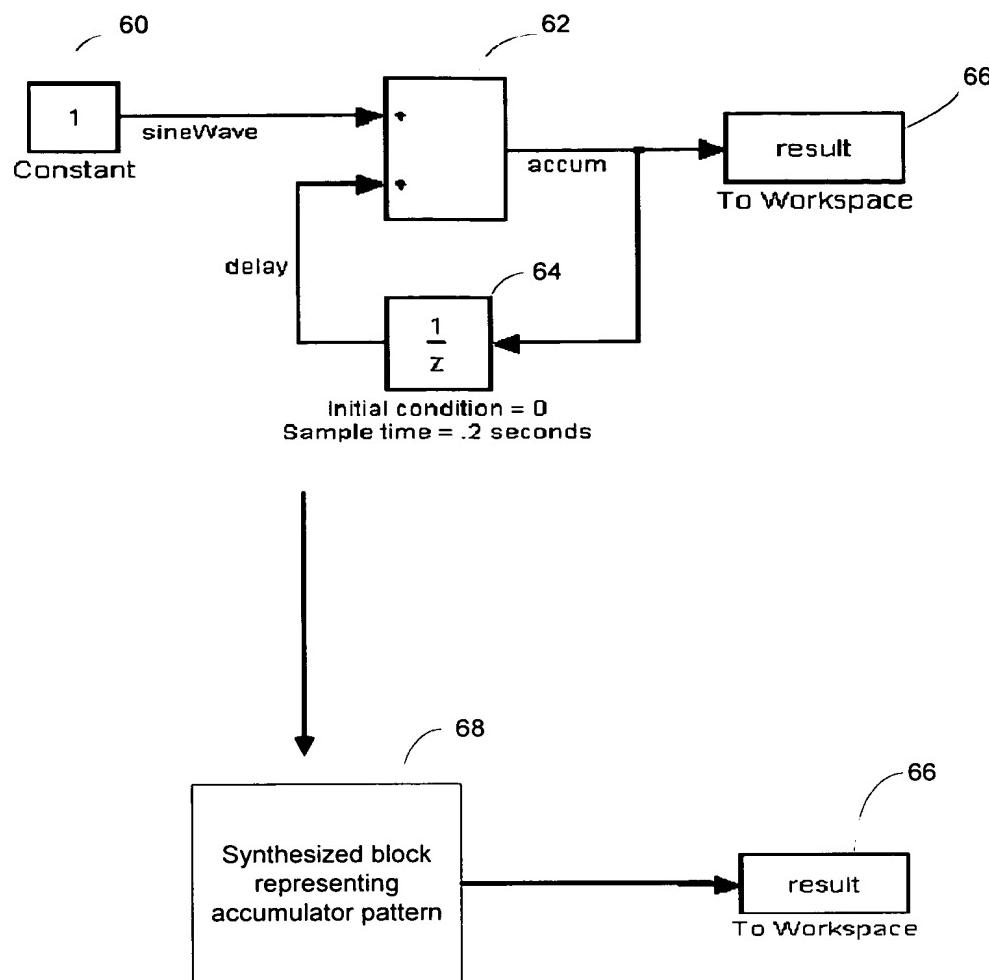


Figure 5



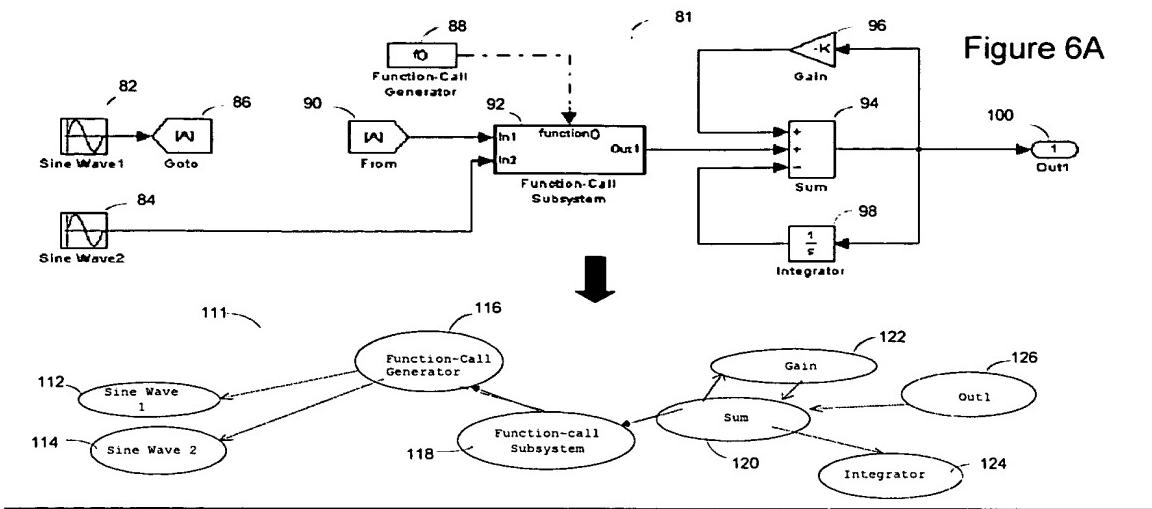


Figure 6A

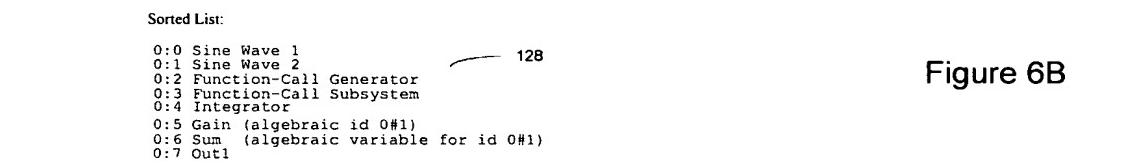


Figure 6B

Sorted List:

```

0:0 Sine Wave 1
0:1 Sine Wave 2
0:2 Function-Call Generator
0:3 Function-Call Subsystem
0:4 Integrator
0:5 Gain (algebraic id 0#1)
0:6 Sum (algebraic variable for id 0#1)
0:7 Out1
  
```

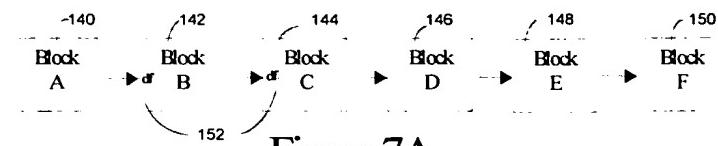


Figure 7A

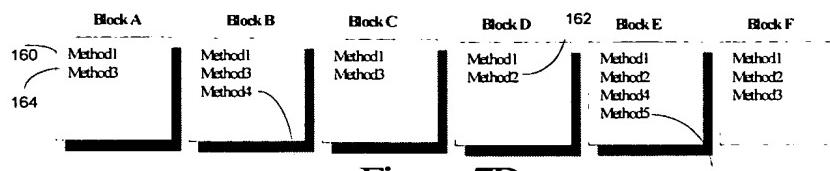


Figure 7B

Sorted list

- BlockF
- BlockE
- BlockD
- BlockA
- BlockB
- BlockC

7

Figure 7C

Figure 8

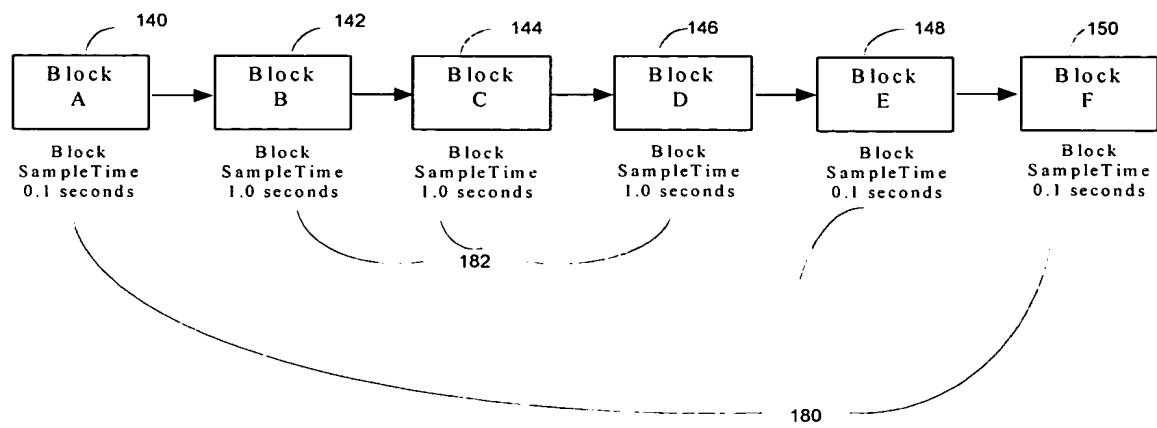


Figure 9

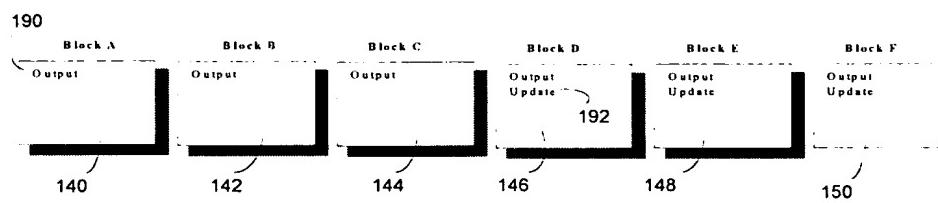


Figure 10

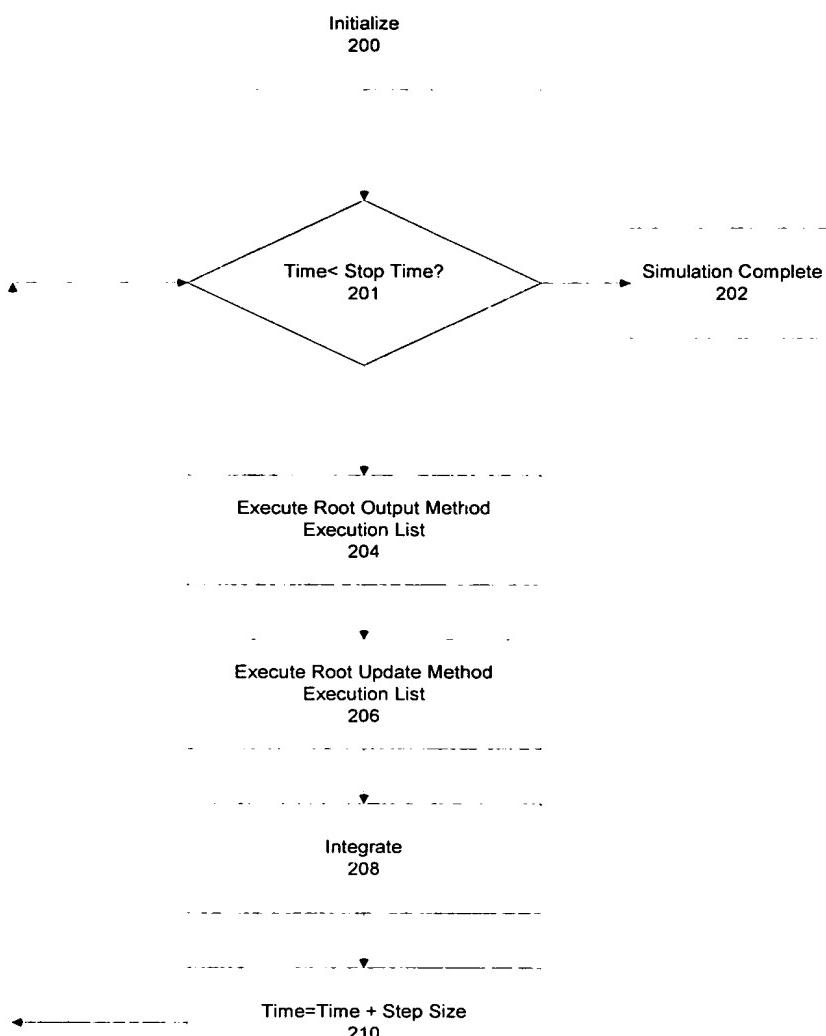
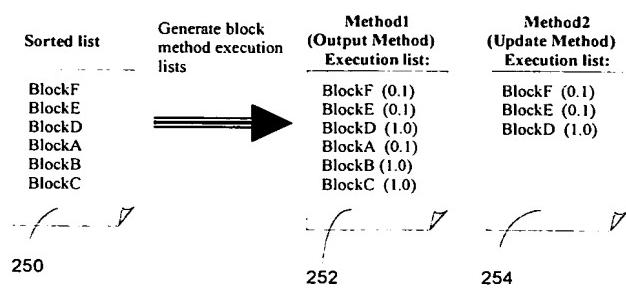


Figure 11A



250

252

254

Sorted list	Sample time
F (output/update)	0.1
E (output/update)	0.1
D (output/update)	1
A (output)	0.1
B (output)	1
C (output)	1

Figure 11B

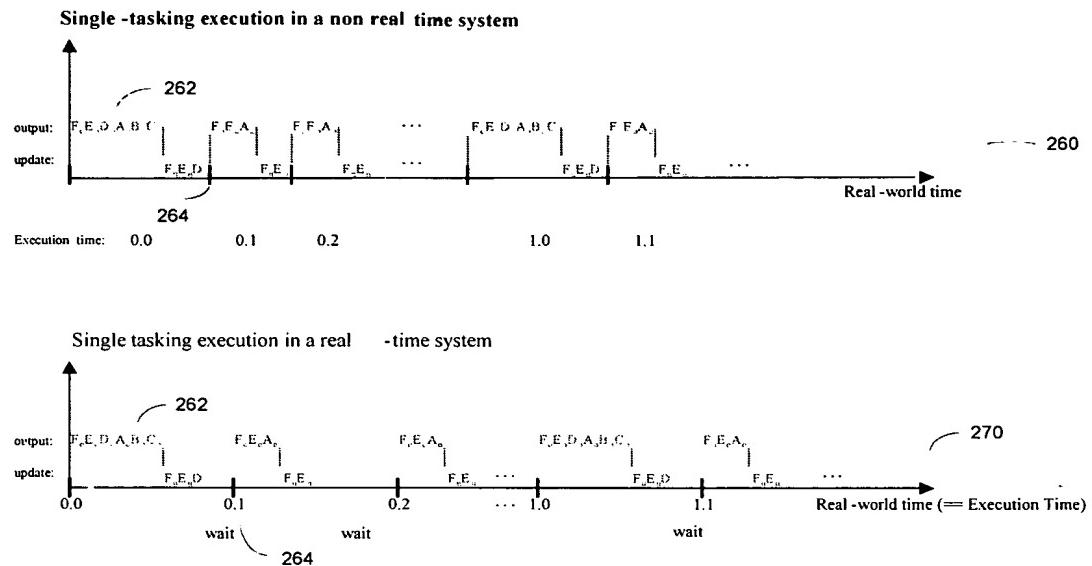


FIGURE 12A

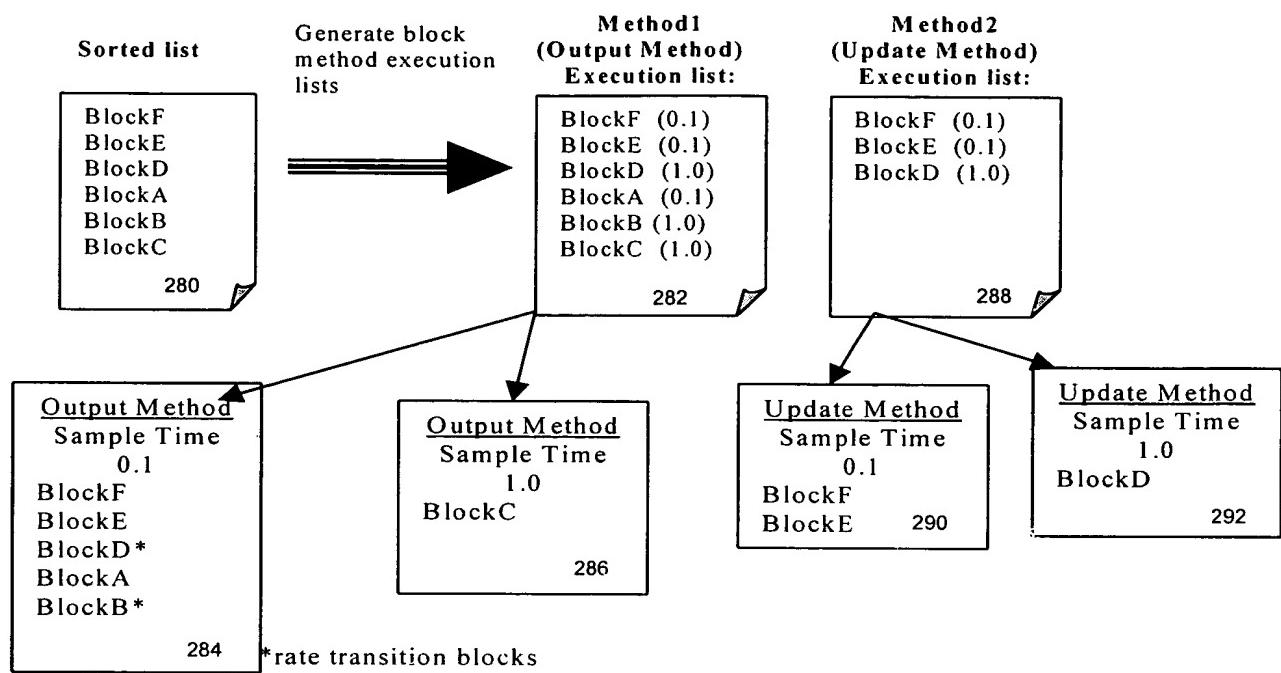


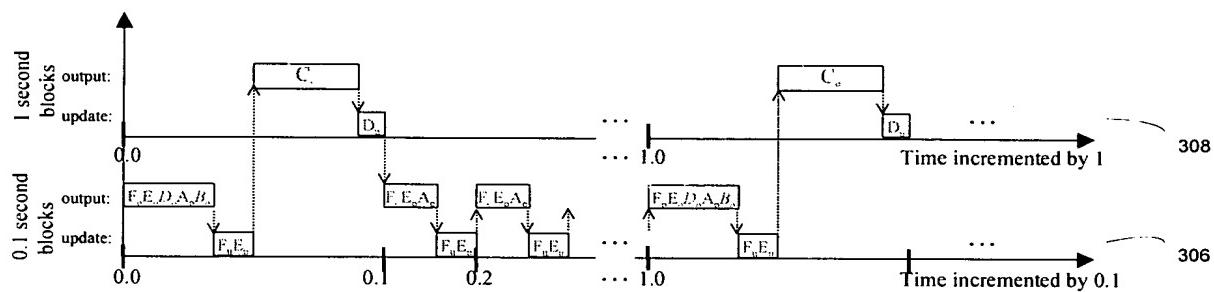
Figure 12B

Sorted list	Sample time
F (output/update)	0.1
E (output/update)	0.1
D (output/update)	I promoted to 0.1 task
A (output)	0.1
B (output)	I promoted to 0.1 task
C (output)	1

302

304

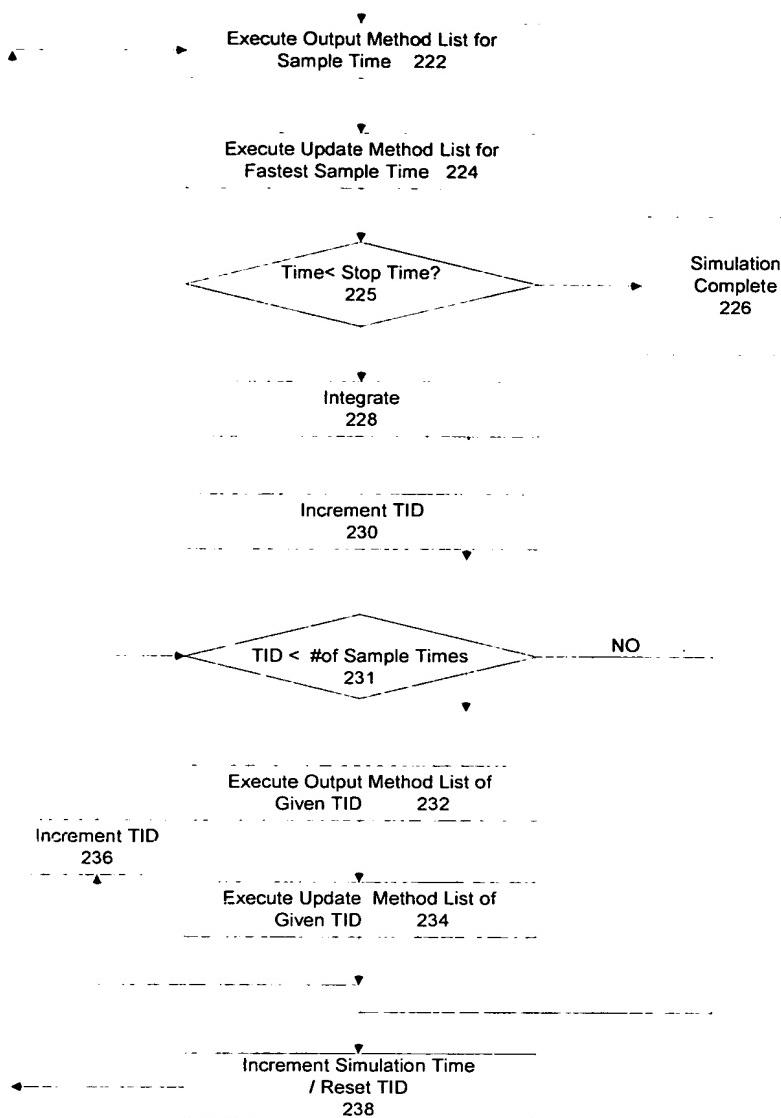
Execution in multi-tasking mode



Inventor: Englehart, et al.
Docket No.: MWS-055
Title: Rate Grouping During Code...

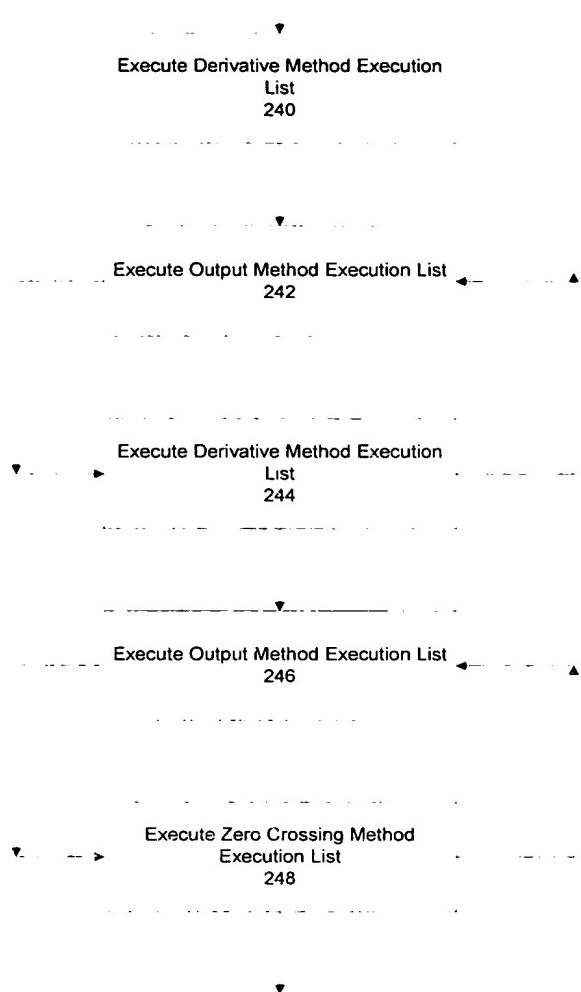
Initialize
220

Figure 13



Inventor: Englehart, et al.
Docket No.: MWS-055
Title: Rate Grouping During Code...

Figure 14



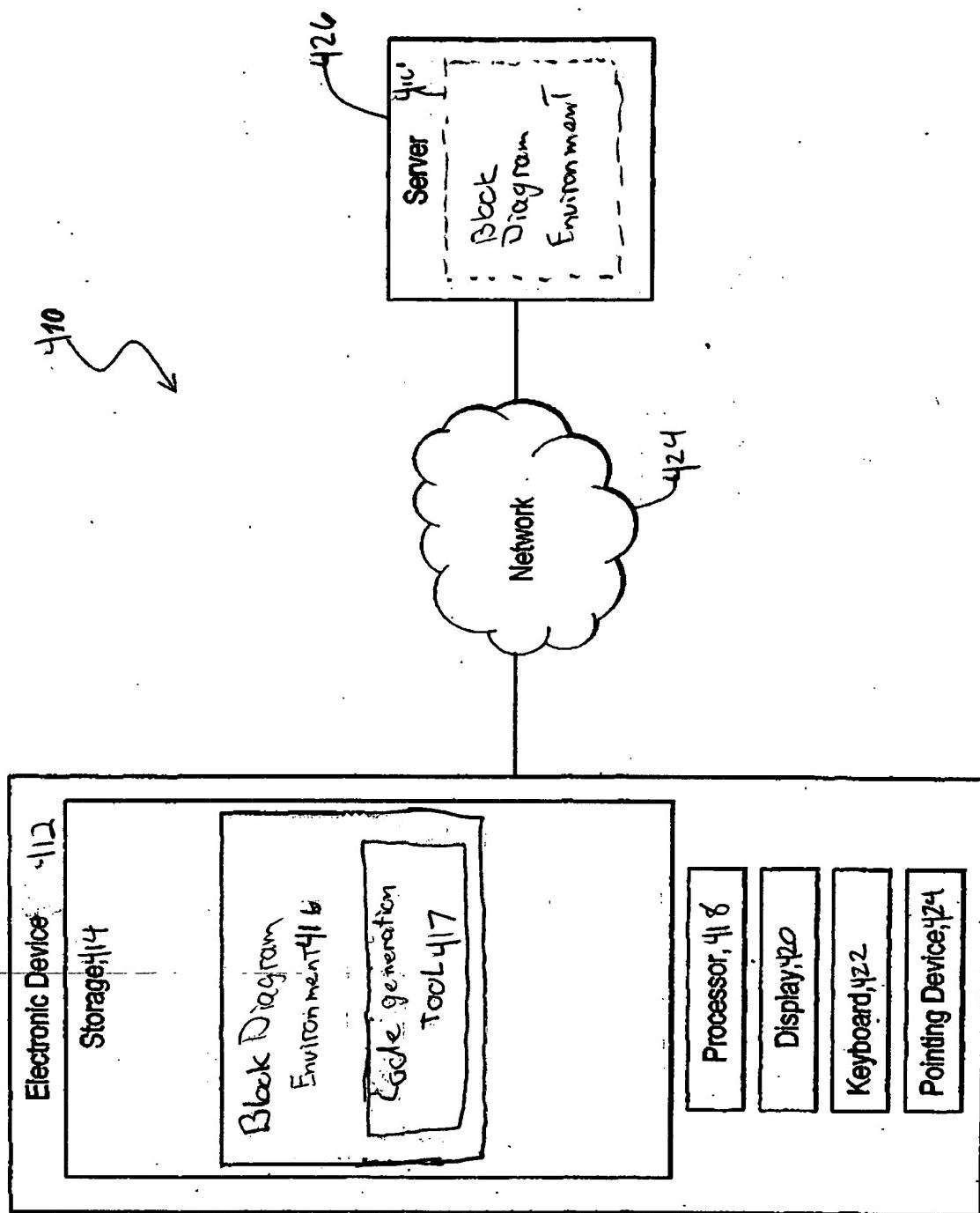


FIGURE 15

Block Diagram Model

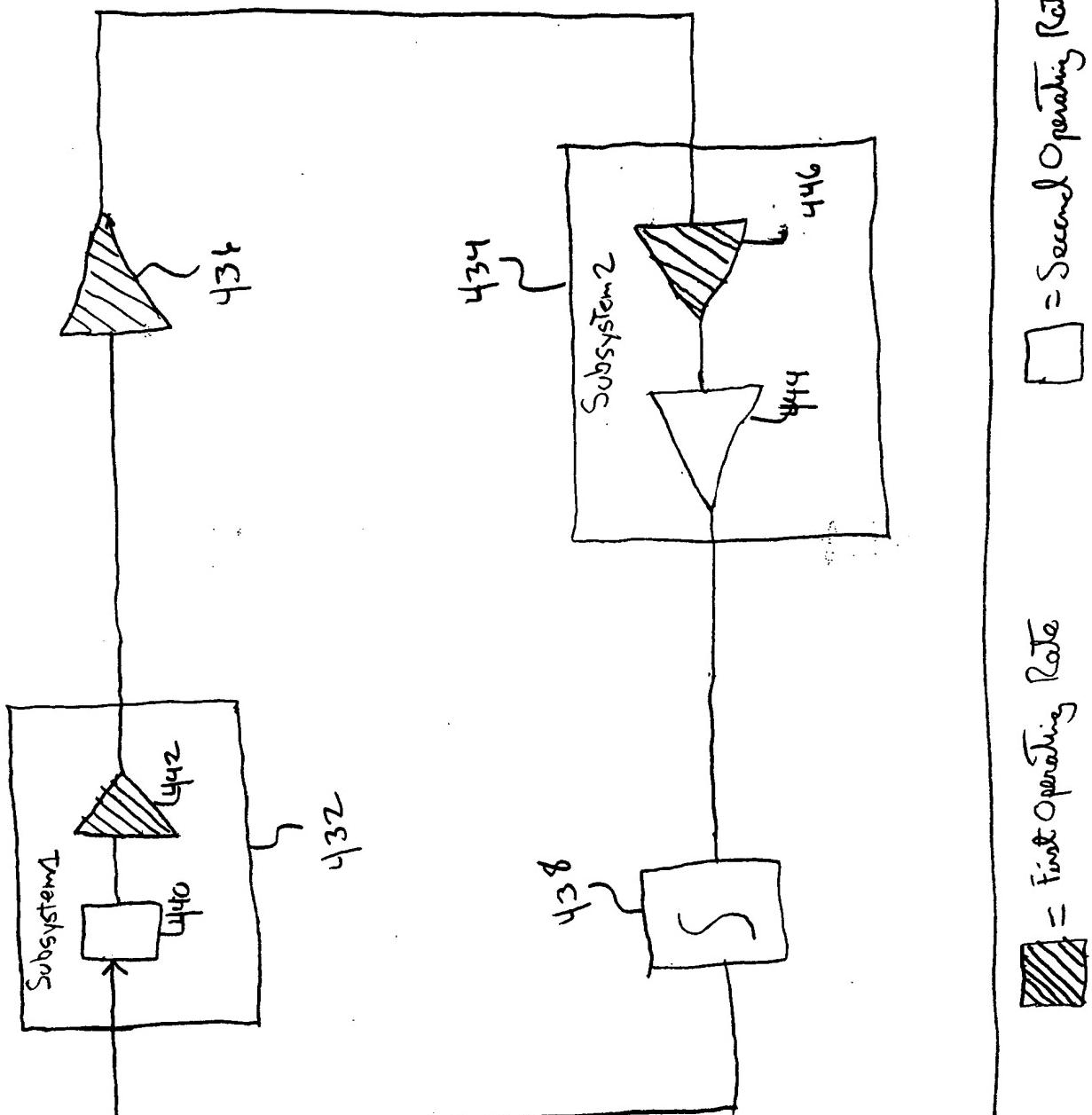


FIGURE 16

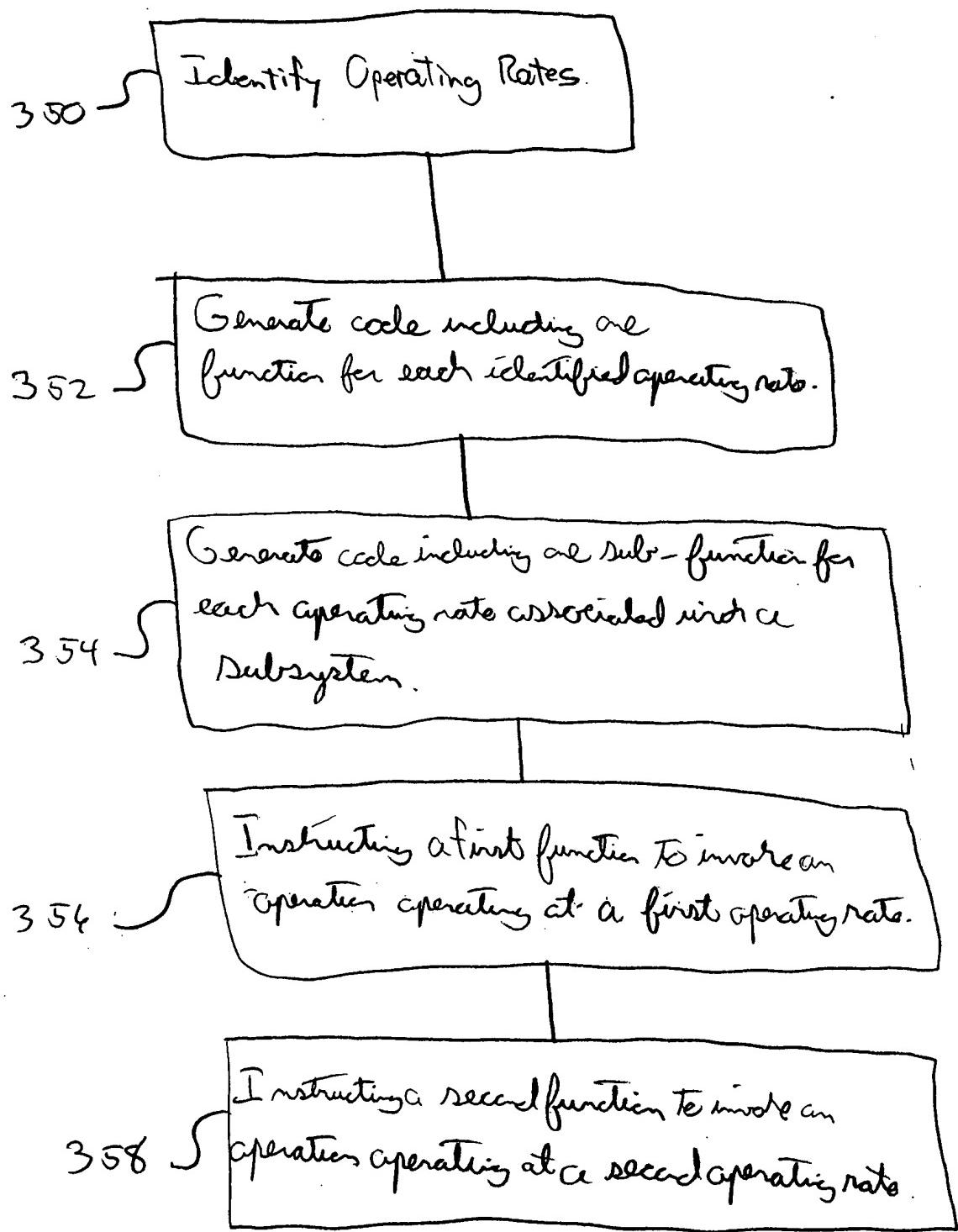
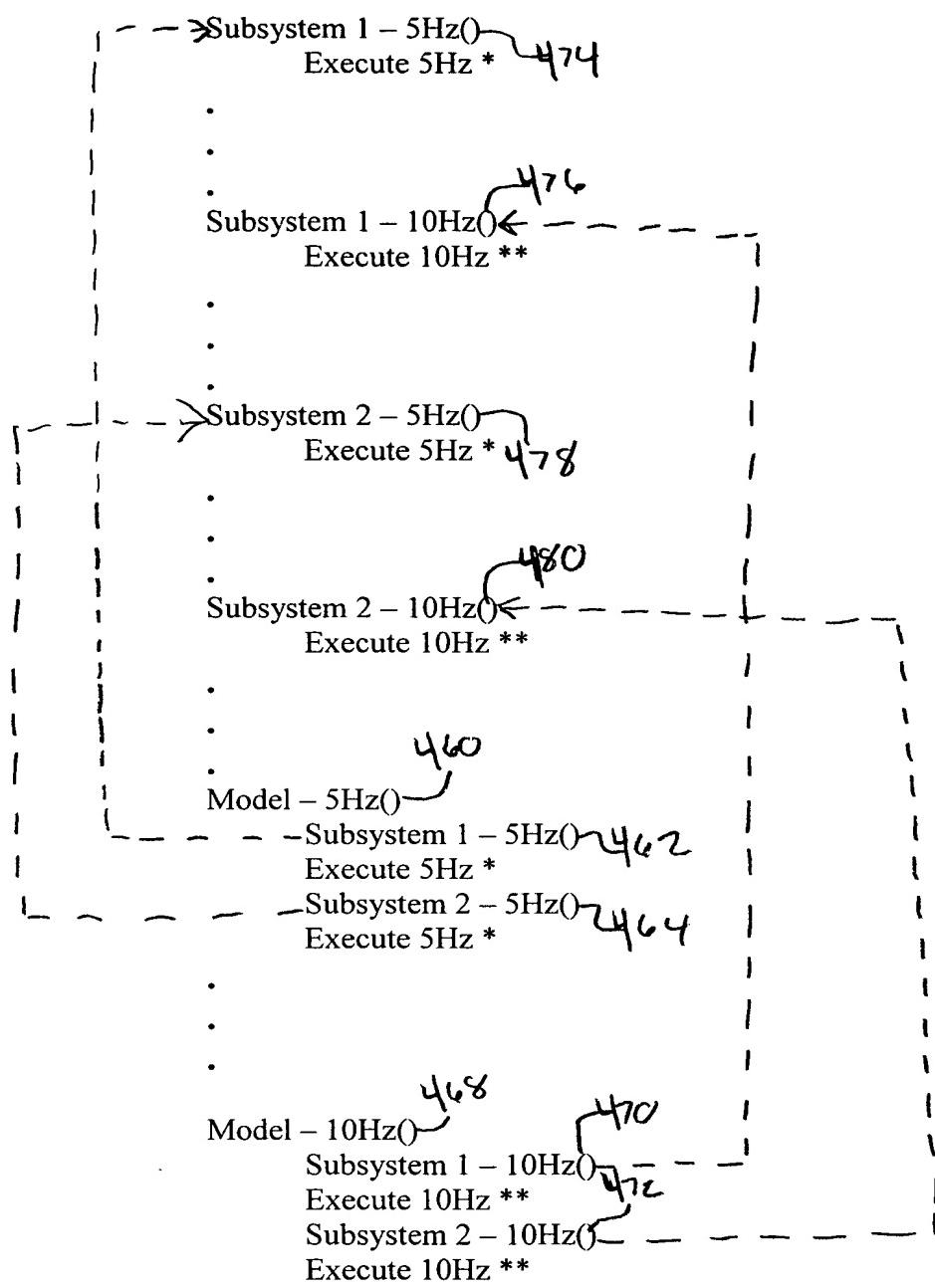


FIGURE 17



* blocks or portions of blocks associated with 5Hz rate

** blocks or portions of blocks associated with 10Hz rate

Figure 18